

AB A small fraction of the monomer dissolved in an organic solvent was polymerized in the presence of a solvated constituent forming a block or graft copolymer with the monomer by using a copolymerization catalyst, the remaining part of which was then decomposed; and the remaining portion of the monomer was polymerized in the presence of a catalyst which does not promote the formation of a block or graft copolymer. The block or graft copolymer formed in the 1st stage in the presence of an organic peroxide or dimethylthiuram disulfide promoted precipitation of the polymer as fine particles. The catalyst for the 2nd stage was azodiisobutyronitrile, o-, or p-nitrobenzoyl peroxide, di-Me peroxalate, or Me peracetate. For example, a mixture of 100 g. white spirit, 10 g. Me methacrylate, 2.6 g. degraded rubber, and 1.0 g. Bz2O2 was heated at 75° under pure N for 1 hr. and 3 g. Et3N was added. The mixture was cooled at 60°, 100 g. Me methacrylate and 1.0 g. azodiisobutyronitrile were added, and the mixture was heated at 75°. The strongly exothermic reaction was finished after 1.5 hrs. to yield a fluid creamy product containing 56% solid material.

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FILE 'CAPLUS, BIOSIS, INPADOC' ENTERED AT 10:44:27 ON 26 JAN 2007

L1 0 S 94-36-0/CN
 L2 11515 S 94-36-0/RN
 L3 5536945 S ?PARTICLE? OR ?CRYSTAL? OR SALT
 L4 150664 S STABILIZER

L5 2392 S L2 AND L3
 L6 115 S L5 AND L4
 L7 79 S L6 AND PY<=2002
 L8 79 DUP REM L7 (0 DUPLICATES REMOVED)
 L9 1850 S L5 AND PY<=2002
 L10 70199 S CREAM?
 L11 32 S L9 AND L10
 L12 32 DUP REM L11 (0 DUPLICATES REMOVED)